



08-23-03

PTO/SB/21 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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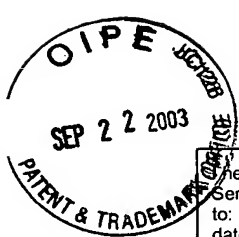
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/602,235	
	Filing Date	June 24, 2003	
	First Named Inventor	Olga A. Cabello	
	Art Unit	N/A	
	Examiner Name	Not Yet Assigned	
Total Number of Pages in This Submission	1	Attorney Docket Number	HO-P02494US1

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): References Return Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	FULBRIGHT & JAWORSKI L.L.P. Melissa L. Sistrunk
Signature	
Date	September 22, 2003

Transmittal	
I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. ER 147061915 US, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.	
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Dated: September 22, 2003 Signature: Annette Devereux

(Annette Devereux)

Docket No.: HO-P02494US1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Olga A. Cabello, et al.

Application No.: 10/602,235

Filed: June 24, 2003

Art Unit: N/A

For: INHIBITION OF GENE EXPRESSION IN
VERTEBRATES USING DOUBLE-
STANDED RNA (RNAi)

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed within three months of the U.S. filing date (37 CFR 1.97(b)(1)).

A copy of each reference on PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 06-2375, under Order No. HO-P02494US1. A duplicate copy of this paper is enclosed.

Dated: September 22, 2003

Respectfully submitted,

By  _____

Melissa L. Sistrunk

Registration No.: 45,579

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete if Known		
			Application Number	10/602,235	
			Filing Date	June 24, 2003	
			First Named Inventor	Olga A. Cabello	
			Art Unit	N/A	
			Examiner Name	Not Yet Assigned	
Sheet	1	of	2	Attorney Docket Number	HO-P02494US1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA	US-20020086356-A1	07-04-2002	Tuschl et al.	
	AB	US-20020173478-A1	11-21-2002	Gewirtz	
	AC	US-20020162126-A1	10-31-2002	Beach et al.	
	AD	US-20030084471-A1	05-01-2003	Beach et al.	
	AE	US-6,573,099-B2	06-03-2003	Graham	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	BA	WO-9949029-A1	09-30-1999	AG-GENE Australia Ltd.		
	BB	WO-0168836-A2	09-20-2001	Genetica, Inc		
	BC	WO-0170949-A1	09-27-2001	Benitec Australia Ltd.		
	BD	WO-0175164-A2	10-11-2001	Whitedhead Institute For Biomedical Research et al		
	BE	WO-0244321-A2	06-06-2002	Maxplanck-Gesellschaft Sur Forderung Der Wissenschaften E.V.		
	BF	WO-03006477-A1	01-23-2003	University of Massechusetts		
	BG	WO-03012052-A2	02-13-2003	The Government of the United States of America as Represented by the Secretary of the Department of Health and Human Services		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

¹ Applicant's unique citation designation number (optional). ² See attached Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the application number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Wilson et al., "Ompotence of Structural Differences between Complementary RNA Molecules to Control of Replication of an IncB Plasmid," Journal of Bacteriology Vol. 179, No. 3, February 1997, pp. 742-753.	
	CB	Fire et al., "Potent and Specific Genetic Interference by Double-Standard RNA in Caenorhabditis Elegans," Nature Vol. 391, February 19, 1998, pp. 806-811.	
	CC	Franch et al, "Antisense RNA Regulation in Prokaryotes: Rapid RNA/RNA Interaction Facilitated by a General U-turn Loop Structure," J. Mol. Biol. 294, 1999, pp. 1115-1125.	
	CD	Kennerdell et al, "Heritable gene Silencing in Drosophila Using Double-Stranded RNA," Nature Biotechnology Vol. 17, July 2000, pp. 896-898.	
	CE	Caplen et al, "Specific Inhibition of Gene Expression by Small Double-Stranded RNAs in Invertebrate and Vertebrate Systems," PNAS Vol. 98, No. 17, August 14, 2001, pp. 9742-9747.	

Examiner Signature	Date Considered
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PTO/SB/08A (10-01)

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				Attorney Docket Number	HO-P02494US1
Sheet	2	of	2		

	CF	Zamore, Phillip, "RNA Interference: Listening to the Sound of Silence," Nature Structural Biology Vol. 8 No. 9, September 2001, pp. 746-750.	
	CG	Reik et al, "Biotechnologies and Therapeutics: Chromatin as a Target," Current Opinion in Genetics & Development 12, 2002, pp. 233-242.	
	CH	Hutvagner et al., "RNAi: Nature Abhors a Double-Strand," Current opinion in Genetics & Development 12, 2002, pp.225-232.	
	CI	Hamamda et al., "Effects on RNA Interference in Gene Expression (RNAi) in Cultured Mammalian Cells of Mismatches and the Introduction of Chemical Modifications at the 3'-Ends of siRNAs," Antisense and Nucleic Acid Drug Development 12, 2002, pp.301-309.	
	CJ	Hasuwa et al, "Small Interfering RNA and Gene Silencing in Transgenic Mice and Rats," FEBS Letters 532, 2002, pp. 227-230.	
	CK	RNA Interference, Cosuppression and Related Phenomena Conference, February 21-26, 2002.	
	CL	Paul et al., "Effective Expression of Small Interfering RNA in Human Cells," Nature Biotechnology Vol. 29, May 2002, pp.505-508.	
	CM	Leirdal et al., "Gene Silencing in Mammalian Cells by Performed SamII RNA Duplexes," Biochemical and Biophysical Research Communications 295, 2002, pp. 744-748.	
	CN	Check, "Patent Flurry Casts Cloud Over Gene Silencing," Nature 417, June 20, 2002, pp. 779.	
	CO	Hannon, "RNA Interference," Nature Vol. 418, July 11, 2002, pp.244 - 251.	
	CP	Yu et al., "Simultaneous Inhibition of GSK3 a and GSK3B Using Hairpin si RNA Expression Vectors," Molecular Therapy Vol. 7, No. 2 , February 7, 2003, pp. 228 - 236.	
	CQ	Stewart et al., "Lentivirus-Delivered Stable Gene Silencing by RNAi in Primary Cells," RNA Vol. 9, no. 4, 2003. pp. 493-501.	
	CR	Kawasaki et al., "Short Hairpin Type of dsRNAs that are Controlled by tRNAval Promoter Significantly Induce RNAi-mediated Gene Silencing in the Cytoplasm of Human Cells," Nucleic Acid research Vol. 31, No. 2, 2003, pp. 700-707.	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Examiner Signature		Date Considered	
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Application No. (if known): 10/602,235

Attorney Docket No.: HO-P02494US1

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IDS (Citation) by Applicant